

Fig. 1

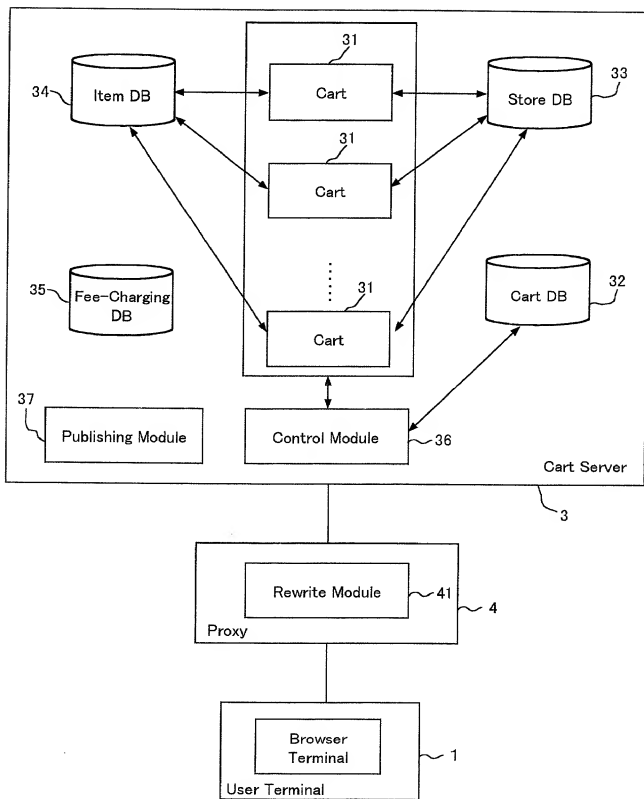


Fig. 2

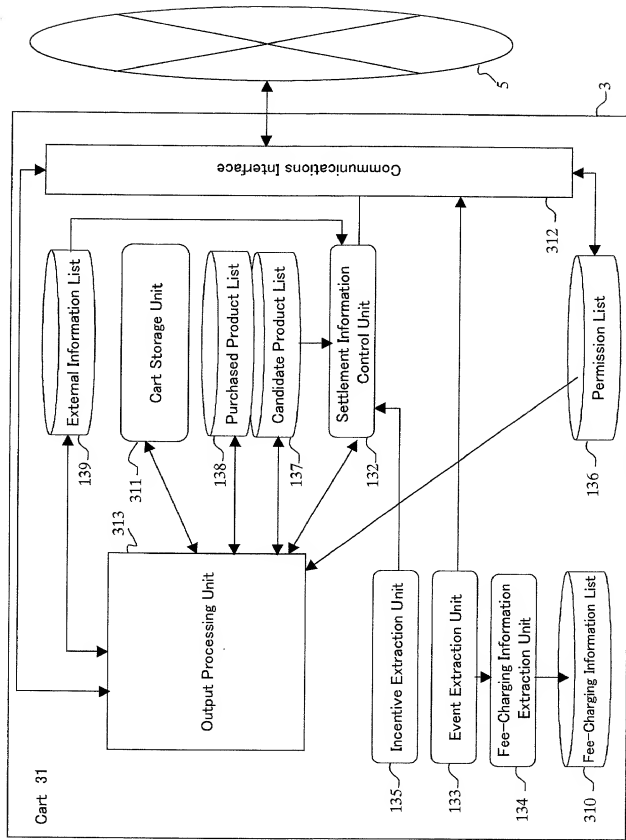


Fig. 3

Cart ID	User ID
5432	Taro@fujitsu.co.jp
5433	Jiro@fujitsu .co.jp
5434	Taro@fujitsu.co.jp

Fig. 4A

```

<store_list>
  <store sid=0123>
    <name>Akachanya</name>
    <icon href="http://...">
      <address href="http://akachan-ya.com"/>
    </store>
  <store sid=0564>
    <name>Ningyo-no Satsukido</name>
    <icon href="http://...">
      <address href="http://satsukido.com"/>
    </store>
  <store sid=0777>
    <name>Gift Honpo</name>
    <icon href="http://...">
      <address href="http://honpo.com"/>
    </store>
  <store sid=989>
    <name>Sanjusando</name>
    <icon href="http://...">
      <address href="http://33do.com"/>
    </store>
  <store sid=0019>
    <name>Kuma Honpo Co.</name>
    <icon href="http://...">
      <address href="http://kuma.com"/>
    </store>
</store_list>

```

Fig. 4B

```

<item_list>
  <item id=1211>
    <name>Baby car type A</name>
    <icon href="http:// ..." />
  </item>
  <item id=5235>
    <name>Dolls (2)</name>
    <icon href="http:// ..." />
  </item>
  <item id=3333>
    <name>Giant bear</name>
    <icon href="http:// ..." />
  </item>
</item_list>

```

Fig. 5A

Store ID	Cart ID	Fee Amount	Date	Account
0123	5432	¥1200	2000/6/2	AbankXX 1
	5434	¥600	2000/6/3	BbankXX 2
0124	5561	¥5200	2000/5/30	CbankZZ
	5700	¥240	2000/6/1	AbankYY
	5810	¥2400	2000/6/1	BbankZZ
⋮				

Fig. 5B

● Settlement Information List

```
<paymentinfo>
  <credit id=1>
    <number>5250-XXXX-XXXX-XXXX</number>
    <holder>Taro Fujii</holder>
    <valid_through>"03/02"</valid_through>
    <description>MASTER</description>
  </credit>
  <credit id=2>
    <number>3584-XXXX-XXXX-XXXX</number>
    <holder>Taro Fujii</holder>
    <valid_through>"01/01"</valid_through>
    <description>JCB</description>
  </credit>
</paymentinfo>
```

Fig. 6

●Permission List

```

<permission_list>
  <permission>
    <store sid=0123>Akachanya</store>
    <address href="http://akacyan-ya.com/cart/taro/5432"/>
  </permission>
  <permission>
    <store sid=0564>Ningyo-no Satsukido</store>
    <address href="http://satsukido.com/cart/taro/5432"/>
  </permission>
  <permission>
    <store sid=0777>Gift Honpo</store>
    <address href="http://honpo.com/cart/taro/5432"/>
  </permission>
</permission_list>

```

Fig. 7

● Example of Candidate Product List

{{id=3333, 12,000 yen, sid=<No Designation>}}

```
<wish_list>
  <item id=3333>
    <price>12000</price>
    <store> </store>
    Giant bear
  </item>
</wish_list>
```

Fig. 8A

● Example of Candidate Product List

{{id=3333, 10,000 yen, sid=<0019 >}}

```
<wish_list>
  <item id=3333>
    <price >10000</price>
    <store sid=0019>Kuma Honpo Co. </store>
    Giant bear
  </item>
</wish_list>
```

Fig. 8B

● A Conceptual Figure of the Purchased Product List

```

<wish_list>
  <item id=1211>
    <price>23000</price>
    <store sid=0564>Ningyo-no Satsukido</store>
    Baby car type A
  </item>
  <item id=3333>
    <price>10000</price>
    <store sid=0019> Kuma Honto Co.</store>
    Giant bear
  </item>
</wish_list>

```

● Candidate Product List Example

```

<settle_list>
  <item id=5235>
    <price>18000</price>
    <store sid=0989> Sanjusando</store>
    Dolls (2)
  </item>
</settle_list>

```

Fig. 9

● External Information List Example

```

<ad_list>
  <ad_aid=222123>
    <store sid=0564>Ningyo-no Satsukido</store>
    <item id=5235>Dolls (2)</item>
    <ad_body>
      <html><head></head>
      <body>
        20% off sale now going on at Ningyo-no Satsukido
      </body></html>
    </ad_body>
  </ad>
</ad_list>

```

Fig. 10

- Fee-Charging List Example
- {X Travel Company, 1,200 yen, <fee payer information>,
- Y Travel, 300 yen, <fee payer information>}

Fig. 11A

- Fee-Charging List Example
- {Akachanya, 1,200 yen, <fee payer information (ex. banker account etc.)>,
- Satsukido, 5,300 yen, <fee payer information (ex. banker account etc.)>,
- Doll house, 240 yen, <fee payer information (ex. banker account etc.)>}

Fig. 11B

```

<cart id=5432>
  <name>Congratulations on birth of grandchild</name>
  <category>Gifts</category>
  <wish_list>
    <item id=1211>
      <price>23000</price>
      <store sid=0564>Ningyo-no Satsukido</store>
      Baby car type A
    </item>
    <item id=3333>
      <price>10000</price>
      <store sid=0019>Kuma Honpo Co.</store>
      Giant bear
    </item>
  </wish_list>
  <settle_list>
    <item id=5235>
      <price>18000</price>
      <store sid=0989>Sanjusando </store>
      Dolls (2)
    </item>
  </settle_list>
  <ad_list>
    <ad aid=222123>
      <store sid=0564>Ningyo-no Satsukido</store>
      <item id=5235>Dolls (2)</item>
      <ad_body>
        <html><head></head>
        <body>
          20% off sale now going on at Ningyo-no Satsukido
        </body></html>
      </ad_body>
    </ad>
    <ad aid=222158>
      <store sid=0019>Kuma Honpo Co. </store>
      <item id=3333>Giant bear</item>
      <ad_body>
        <html><head></head>
        <body>
          Purchaser X: Very cute; my three-year-old daughter always sleeps with it
        </body></html>
      </ad_body>
    </ad>
    <ad aid=222157>
      <store sid=0989>Sanjusando </store>
      <item id=5235>Dolls (2)</item>
      <ad_body>
        <html><head></head>
        <body>
          <img src=.../>Manufacturer's warranty
        </body></html>
      </ad_body>
    </ad>
  </ad_list>
  <permission_list>
    <permission>
      <store sid=0123>Akachanya</store>
      <address href="http://...">
    </permission>
    <permission>
      <store sid=0564>Ningyo-no Satsukido</store>
      <address href="http://...">
    </permission>
    <permission>
      <store sid=0777>Gift Honpo</store>
      <address href="http://...">
    </permission>
  </permission_list>
  <address href="http://cart.com/cart/5432"/>
</cart>

```

Fig. 12

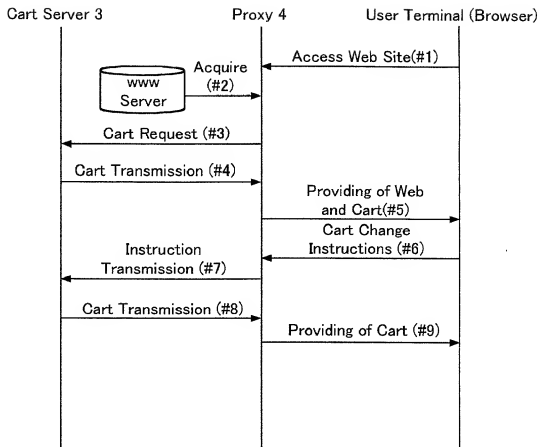


Fig. 13A

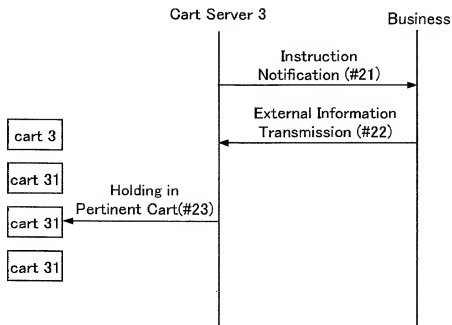


Fig. 13B

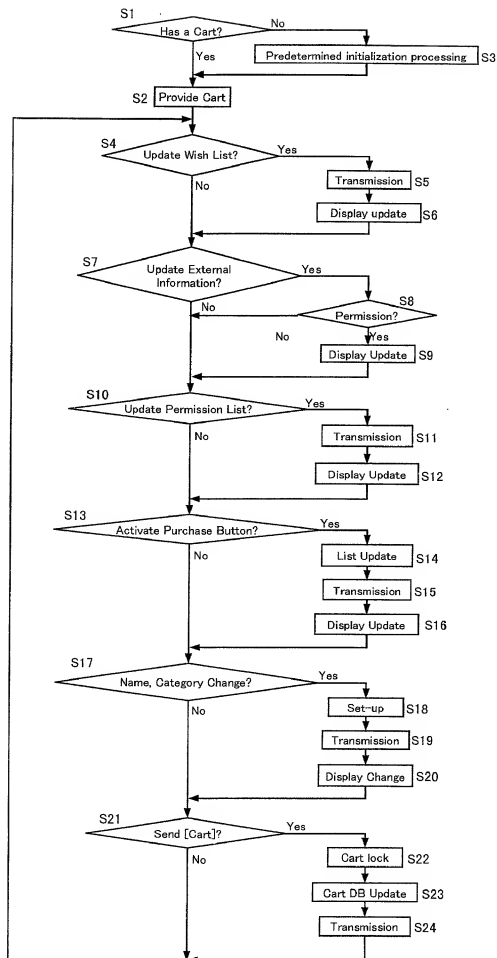


Fig. 14

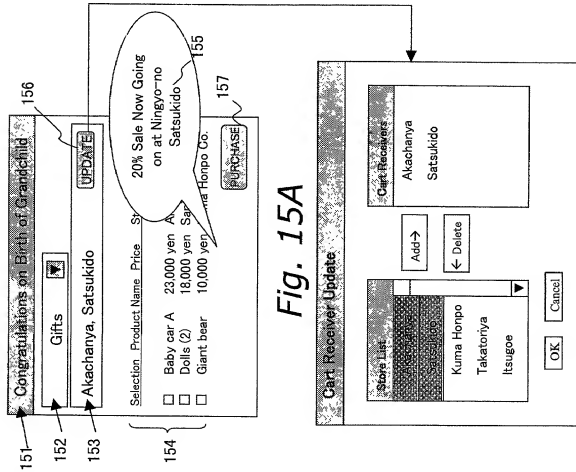
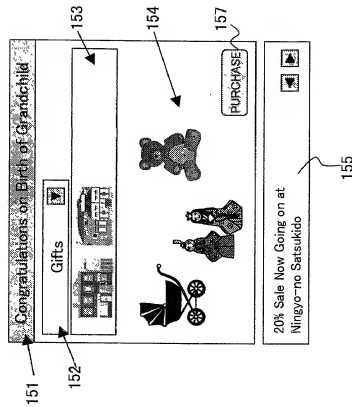


Fig. 15C



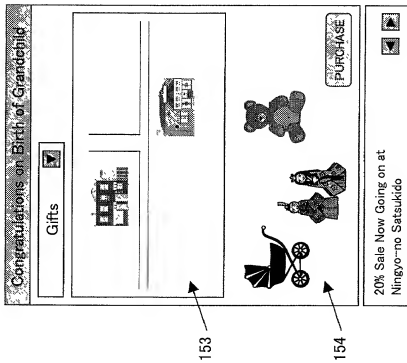


Fig. 16A

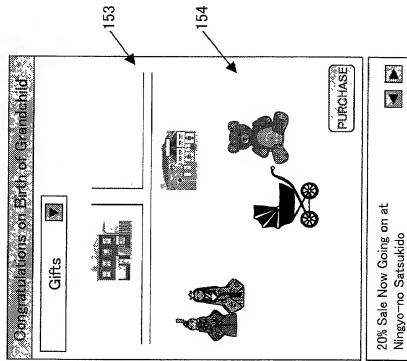


Fig. 16B

Giving a Cart a New Name

Old Name
Congratulations on Birth of Grandchild

New Name
Grandchild's... |

OK CANCEL

Fig. 17A

Giving a Cart a New Category


Current Category
Gifts


New Category
Events ▼

OK CANCEL


Fig. 17B

Giving a Cart a New Name

Gifts 

Atachanya, Satsukido 

Selection	Product Name	Price
<input type="checkbox"/>	Baby car A	23,000 yen
<input type="checkbox"/>	Purchased Dolls (2)	18,000 yen
<input type="checkbox"/>	Giant bear	10,000 yen

 Manufacturer's Warranty











Fig. 18A

Giving a Cart a New Name

Gifts 





Dolls: Manufacturer's Warranty  

Fig. 18B

Giving a Cart a New Name

Gifts

Akachanya, Satsukido, Gift Honpo

UPDATE

Selection	Product Name	Price
<input type="checkbox"/>	Baby car A	23,000 yen
<input type="checkbox"/>	Purchased Dolls (2)	18,000 yen
<input type="checkbox"/>	Giant bear	10,000 yen

Purchaser X: Very Cute; My Three-year-old Daughter Always Sleeps With it




Kuma Horpo Co.




PURCHASE

Fig. 19A

Giving a Cart a New Name

Gifts

PURCHASE

Purchaser X: Very Cute; My Three-year-old Daughter Always Sleeps With it



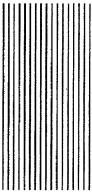



Fig. 19B

Takatoriya

End-of-year Gift Corner



Selection	Product	Manufacturer
<input checked="" type="checkbox"/>	Premium <i>nori</i>	Yamamotoya
<input checked="" type="checkbox"/>	Laundry Detergent Pack	Kao
<input type="checkbox"/>	2 Bottles of Wine Set	Santori

TRANSMISSION

Takatoriya: We'd Like to Offer you a 10% Discount on Your Next Purchase



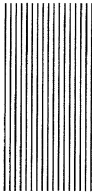



Fig. 20A

Takatoriya

This Month's Specials



Selection	Product	Manufacturer
<input type="checkbox"/>	Premium <i>nori</i>	Yamamotoya
<input checked="" type="checkbox"/>	Laundry Detergent Pack	Kao

SELECTION

Kao: We will Send you a Sample of Our New Detergent






Fig. 20B

Friday, April 21		PURCHASE		◀▶	
08:00-10:00	▶				
Travel by Bullet Train?→					
10:00-12:00					
12:00-14:00					
Lunch at Osaka					
14:00-16:00					
16:00-18:00					
18:00-	▶				
Lodgings?→					
Presentation: X Travel Co., Y Travel					

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Fig. 21A

Friday, April 21		PURCHASE		◀▶	
08:00-10:00	▶				
Travel by Bullet Train?→ Shall We Make the Arrangements (X)?					
10:00-12:00					
12:00-14:00					
Lunch at Osaka					
14:00-16:00					
16:00-18:00					
18:00-	▶				
Lodgings?→ Hotel A (Y)? Hotel M (X)?					
Presentation: X Travel Co., Y Travel					

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Fig. 21B

[illegible]

Friday, April 21	PURCHASE
0800-10:00 Travel by Bullet Train: Hikari 100	
1000-12:00	
12:00-14:00 Lunch at Osaka	
14:00-16:00	
16:00-18:00	
18:00- Lodgings: Hotel A	
Presentation: X Travel Co., Y Travel	

Fig. 22

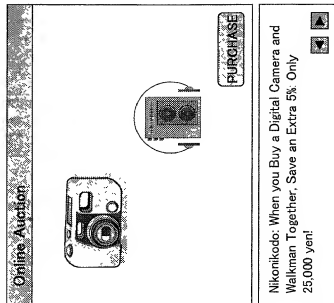


Fig. 23

Product	Total Units Sold	Lowest Price	Highest Price	Most Common Price	Store Ranking
Digital Camera α	467	11,100 Yen	15,700 Yen	13,900 Yen	X Denki, Y Shoten, ...
Video deck K	3	32,000 Yen	33,000 Yen	32,000 Yen	Discount King Z,

Fig. 24

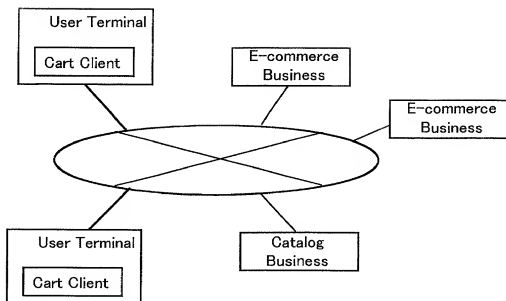


Fig. 25

